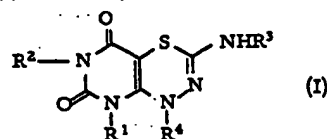


R0144B

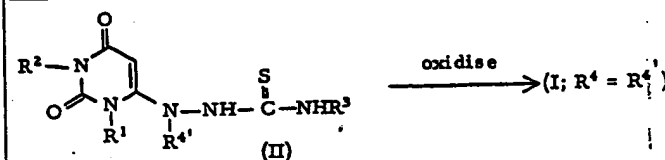
B2/B3

31033A/17	B02	TAKE 25.08.76	B(6-F3, 7-D12, 12-G1, 12-D7, 12-E8, 12-F5, 12-G1, 12-G3). 7	89
TAKEDA CHEMICAL IND KK	*J5 3028-192	25.08.76-JA-101923 (16.03.78) A61k-31/50 C07d-239/54 C07d-		
Pyrimido (4,5-e) (1,3,4)thiadiazine derivs. - with hypotensive,		diuretic, antiinflammatory, gastric secretion inhibiting and cyclic-AMP		
phosphodiesterase inhibiting activity				
(A) Pyrimido [4,5-e] [1,3,4]thiadiazine derivs. of formula (I) and salts thereof are new:				
 <p>(I)</p>		(R ¹ , R ² = H or alkyl;		
R ³ = H, alkyl, alkenyl, opt. substd. aryl, aralkyl or acyl;		R ⁴ = H, alkyl or acyl;		
provided R ¹ , R ² = alkyl when R ⁴ = acyl).		(B) Uracil deriv. intermediates of formula (II) (see		
"Preparation") are new.		USE		
(I) and salts exhibit c-AMP phosphodiesterase inhibition,		histamine H ₂ -receptor inhibition and, esp. to mammals		
31033A	J530281 92+			

B(6-F3, 7-D12, 12-G1, 12-D7, 12-E8, 12-F5, 12-G1, 12-G3). 7

(such as human, dog, rabbit, rat and mouse), hypotensive, diuretic, antiinflammatory and gastric secretion inhibitory activities and are useful as anti-hypertensive, diuretic, antiinflammatory and antiulcer remedies as well as antibacterials and biochemical reagents.

PREPARATION



The oxidation is carried out with oxidizing agent pref. N-chlorosuccinimide at ca. 1-4 (pref. ca. 1-2) mol. on (II) in a solvent at 0-50 (pref. 20-30)° C for 0.5-10 (pref. 1-3) hrs. (R⁴ = H, alkyl).

EXAMPLE

1,3-Dimethyl-6-(4-ethylthiosemicarbazido)uracil (40 g) is

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